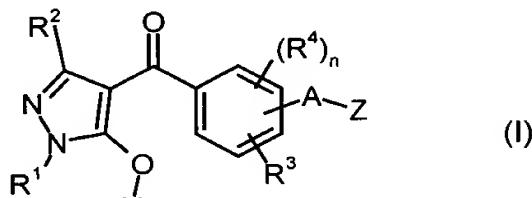


In th Pat nt Claims

1. (Once Amended) A substituted benzoylpyrazole of the general formula (I),



in which

n represents the numbers 0, 1, 2 or 3,

A represents a single bond or represents alkanediyl (alkylene),

R¹ represents in each case optionally substituted alkyl, alkenyl, alkynyl or cycloalkyl,

R² represents hydrogen, cyano, carbamoyl, thiocarbamoyl, halogen, or represents in each case optionally substituted alkyl, alkoxy, alkylthio, alkoxy carbonyl or cycloalkyl,

R³ represents hydrogen, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, halogen, or represents in each case optionally substituted alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, dialkylamino or dialkyl-aminosulfonyl,

R⁴ represents nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, halogen, or represents in each case optionally substituted alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, dialkylamino or dialkyl-aminosulfonyl,

Y represents hydrogen or represents in each case optionally substituted alkyl, alkylcarbonyl, alkoxy carbonyl, alkylsulfonyl, alkylamino-carbonyl,

di-alkylaminocarbonyl, alkenyl, alkenylcarbonyl, alkenylsulfonyl, alkinyl, alkynylcarbonyl, cycloalkyl, cycloalkylcarbonyl, cycloalkylalkyl, phenylcarbonyl, phenylsulfonyl, phenylalkyl or phenylcarbonylalkyl, and

Z represents an optionally substituted 4- to 12-membered saturated or unsaturated monocyclic or bicyclic heterocyclic grouping which contains 1 to 4 heteroatoms (up to 4 nitrogen atoms and optionally - alternatively or additionally - one oxygen atom or one sulfur atom, or an SO grouping or an SO₂ grouping) and which additionally contains one to three oxo groups (C=O) and/or thioxo groups (C=S) as component of the heterocycle,
including tautomeric forms and salts thereof.

(Once Amended) The compound according to Claim 1, wherein

n represents the numbers 0, 1 or 2,

A represents a single bond or represents alkanediyl (alkylene) having 1 to 4 carbon atoms,

*R*¹ represents optionally cyano-, carboxyl-, carbamoyl-, halogen-, C₁-C₄-alkoxy-, C₁-C₄-alkyl-carbonyl-, C₁-C₄-alkoxy-carbonyl-, C₁-C₄-alkylthio-, C₁-C₄-alkylsulfinyl- or C₁-C₄-alkylsulfonyl-substituted alkyl having 1 to 6 carbon atoms, represents in each case optionally cyano-, carboxyl-, carbamoyl-, halogen- or C₁-C₄-alkoxy-carbonyl-substituted alkenyl or alkinyl having in each case 2 to 6 carbon atoms, or represents optionally cyano-, carboxyl-, carbamoyl-, halogen-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-carbonyl-substituted cycloalkyl having 3 to 6 carbon atoms,

*R*² represents hydrogen, cyano, carbamoyl, thiocarbamoyl, halogen, represents in each case optionally cyano-, halogen- or C₁-C₄-alkoxy-

substituted alkyl, alkoxy or alkoxy carbonyl having in each case up to 6 carbon atoms, represents optionally halogen-substituted alkylthio having 1 to 6 carbon atoms, or represents optionally cyano-, halogen- or C₁-C₄-alkyl-substituted cycloalkyl having 3 to 6 carbon atoms,

~~3.1~~

~~C~~

~~R³ represents hydrogen, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, halogen, represents in each case optionally halogen, C₁-C₄-alkoxy-, C₁-C₄-alkylthio-, C₁-C₄-alkylsulfinyl- or C₁-C₄-alkylsulfonyl-substituted alkyl, alkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl having in each case up to 4 carbon atoms in the alkyl groups, or represents alkylamino, dialkylamino or dialkylaminosulfonyl having in each case up to 4 carbon atoms in the alkyl groups,~~

~~H~~

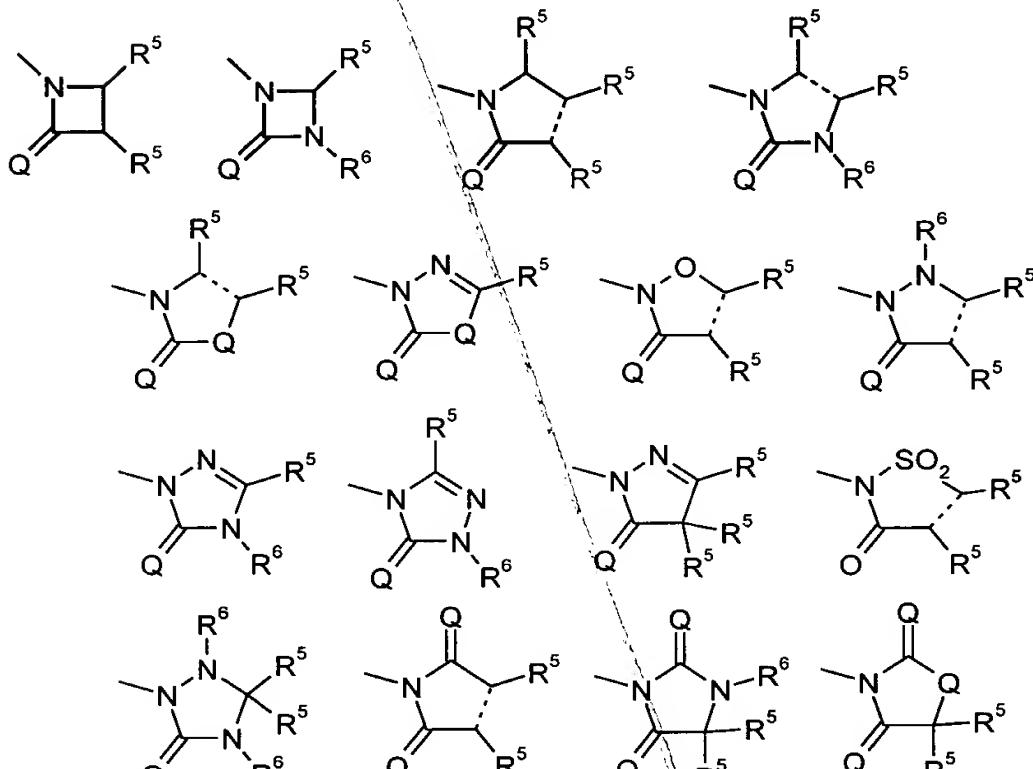
~~R⁴ represents nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, halogen, represents in each case optionally halogen-, C₁-C₄-alkoxy-, C₁-C₄-alkylthio-, C₁-C₄-alkylsulfinyl- or C₁-C₄-alkylsulfonyl-substituted alkyl, alkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl having in each case up to 4 carbon atoms in the alkyl groups, or represents alkylamino, dialkylamino or dialkylaminosulfonyl having in each case up to 4 carbon atoms in the alkyl groups,~~

~~Y represents hydrogen, represents in each case optionally cyano-, carboxyl-, carbamoyl-, halogen- or C₁-C₄-alkoxycarbonyl-substituted alkyl, alkylcarbonyl or alkoxy carbonyl having in each case up to 6 carbon atoms, represents in each case optionally halogen-substituted alkylsulfonyl, alkylaminocarbonyl or dialkylaminocarbonyl having in each case up to 6 carbon atoms in the alkyl groups, represents in each case optionally cyano-, carboxyl-, carbamoyl-, halogen- or C₁-C₄-alkoxy-carbonyl-substituted alkenyl, alkenylcarbonyl, alkinyl or alkinyl-~~

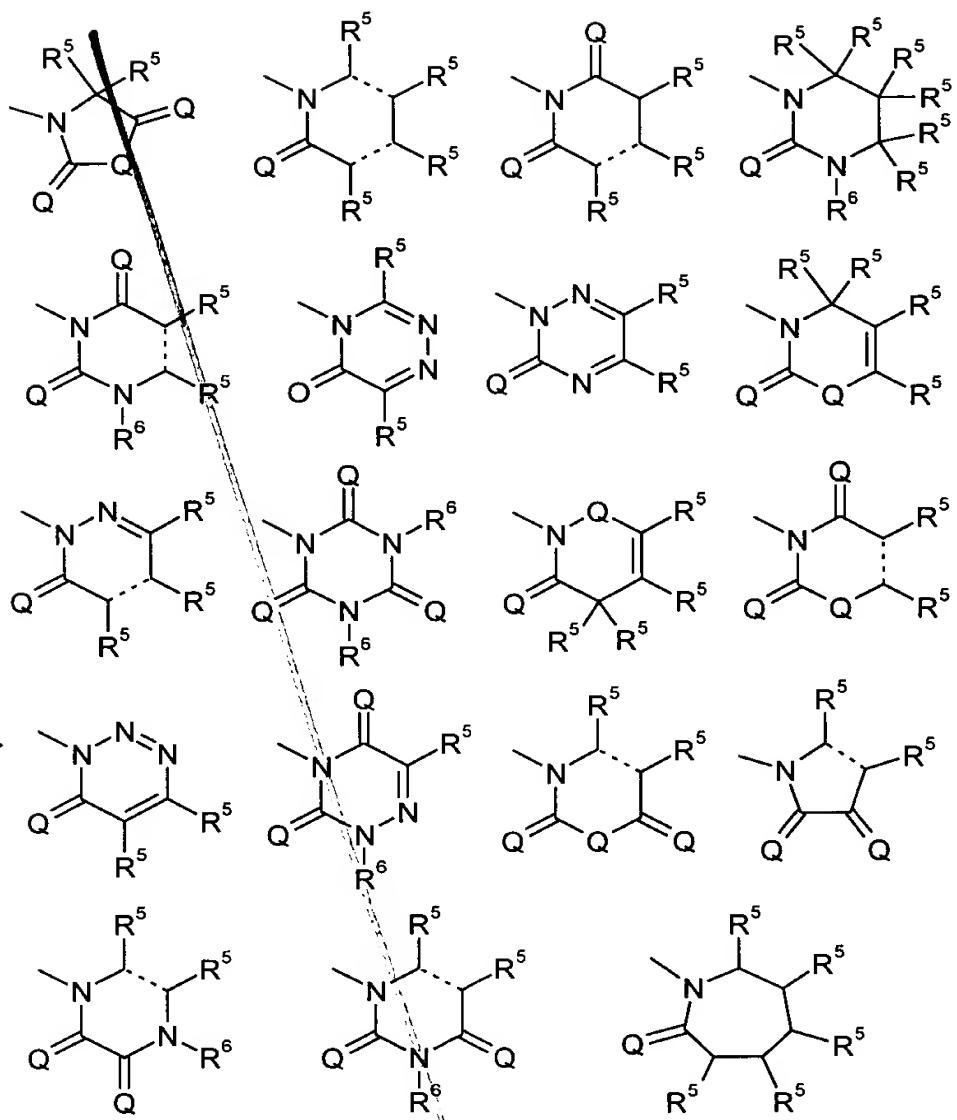
carbonyl having in each case 2 to 6 carbon atoms, represents
optionally halogen-substituted alkenylsulfonyl having up to 6 carbon
atoms represents in each case optionally cyano-, halogen- or C₁-C₄-
alkyl-substituted cycloalkyl, cycloalkylcarbonyl or cycloalkylalkyl having
in each case 3 to 6 carbon atoms in the cycloalkyl groups and
optionally 1 to 3 carbon atoms in the alkyl moiety, or represents in each
case optionally nitro-, cyano-, carboxyl-, carbamoyl-, halogen-, C₁-C₄-
alkyl-, C₁-C₄-halogenoalkyl-, C₁-C₄-alkoxy- or C₁-C₄-halogenoalkoxy-
substituted phenylcarbonyl, phenylsulfonyl, phenyl-C₁-C₄-alkyl or
phenylcarbonyl-C₁-C₄-alkyl, and

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C-1
A-1

Z represents one of the heterocyclic groupings below



*B L
cont*



in which in each case the broken bond is a single bond or a double bond,

Q represents oxygen or sulfur,

R⁵ represents hydrogen, hydroxyl, mercapto, cyano, halogen, represents in each case optionally cyano-, halogen-, C₁-C₄-alkoxy-, C₁-C₄-alkylthio-, C₁-C₄-alkylsulfinyl- or C₁-C₄-alkylsulfonyl-substituted alkyl, alkylcarbonyl, alkoxy, alkoxy-carbonyl, alkylthio, alkylsulfinyl or alkylsulfonyl having in each

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case up to 6 carbon atoms in the alkyl groups, represents propadienylthio, represents in each case optionally halogen-substituted alkylamino or dialkylamino having in each case up to 6 carbon atoms in the alkyl groups, represents in each case optionally halogen-substituted alkenyl, alkinyl, alkenyloxy, alkenylthio or alkenylamino having in each case up to 6 carbon atoms in the alkenyl or alkinyl groups, represents in each case optionally halogen-substituted cycloalkyl, cycloalkyloxy, cycloalkylthio, cycloalkylamino, cycloalkylalkyl, cycloalkylalkoxy, cycloalkylalkylthio or cycloalkylalkylamino having in each case 3 to 6 carbon atoms in the cycloalkyl groups and optionally up to 4 carbon atoms in the alkyl moiety, represents in each case optionally halogen-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted phenyl, phenoxy, phenylthio, phenylamino, benzyl, benzyloxy, benzylthio or benzylamino, represents pyrrolidino, piperidino or morpholino, or - if two adjacent radicals R⁵ and R⁵ are located on a double bond - together with the adjacent radical R⁵ also represents a benzo grouping, and

R⁶ represents hydrogen, hydroxyl, amino, alkylideneamino having up to 4 carbon atoms, represents in each case optionally halogen- or C₁-C₄-alkoxy-substituted alkyl, alkoxy, alkylamino, dialkylamino or alkanoylamino having in each case up to 6 carbon atoms in the alkyl groups, represents in each case optionally halogen-substituted alkenyl, alkinyl or alkenyloxy having in each case up to 6 carbon atoms in the alkenyl or alkinyl groups, represents in each case optionally halogen-substituted cycloalkyl, cycloalkylalkyl or cycloalkylamino having in each case 3 to 6 carbon atoms in the cycloalkyl groups and optionally up to 3 carbon atoms in the alkyl moiety, or represents

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Cont*

in each case optionally halogen-, C₁-C₄-alkyl- or C₁-C₄-alkoxy-substituted phenyl or benzyl, or together with an adjacent radical R⁵ or R⁶ represents optionally halogen- or C₁-C₄-alkyl-substituted alkanediyl having 3 to 5 carbon atoms,

where the individual radicals R⁵ and R⁶ - if a plurality of these are attached to the same heterocyclic groupings, may have identical or different meanings within the scope of the above definition.

3. (Once Amended) The compound according to claim 1 or 2, wherein

n represents the numbers 0 or 1,

A represents a single bond, methylene, ethylidene (ethane-1,1-diyl) or dimethylene (ethane-1,2-diyl),

R¹ represents in each case optionally fluorine-, chlorine-, methoxy-, ethoxy-, n- or i-propoxy-, methylthio-, ethylthio-, n- or i-propylthio-, methylsulfinyl-, ethylsulfinyl-, n- or i-propylsulfinyl-, methylsulfonyl-, ethylsulfonyl-, n- or i-propylsulfonyl-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, represents in each case optionally fluorine-, chlorine- or bromine-substituted propenyl, butenyl, propinyl or butinyl, or represents in each case optionally cyano-, fluorine-, chlorine-, bromine-, methyl- or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl,

R² represents hydrogen, cyano, carbamoyl, thiocarbamoyl, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, represents in each case optionally fluorine- and/or

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cont

chlorine-substituted methylthio, ethylthio, n- or i-propylthio, or represents in each case optionally cyano-, fluorine-, chlorine-, bromine-, methyl- or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl,

R³ represents hydrogen, nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, iodine, represents in each case optionally fluorine- and/or chlorine-, methoxy-, ethoxy-, n- or i-propoxy-, methylthio-, ethylthio-, n- or i-propylthio-, methylsulfinyl-, ethylsulfinyl-, methylsulfonyl- or ethylsulfonyl-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, represents in each case optionally fluorine- and/or chlorine-, methoxy-, ethoxy-, n- or i-propoxy-substituted methoxy, ethoxy, n- or i-propoxy, represents in each case optionally fluorine- and/or chlorine-substituted methylthio, ethylthio, n- or i-propylthio, methylsulfinyl, ethylsulfinyl, n- or i-propylsulfinyl, methylsulfonyl, ethylsulfonyl, n- or i-propylsulfonyl, or represents methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, dimethylamino-sulfonyl or diethylaminosulfonyl,

R⁴ represents nitro, cyano, carboxyl, carbamoyl, thiocarbamoyl, fluorine, chlorine, bromine, represents in each case optionally fluorine- and/or chlorine-, methoxy-, ethoxy-, n- or i-propoxy-, methylthio-, ethylthio-, n- or i-propylthio-, methylsulfinyl-, ethylsulfinyl-, methylsulfonyl- or ethylsulfonyl-substituted methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, represents in each case optionally fluorine- and/or chlorine-, methoxy-, ethoxy-, n- or i-propoxy-substituted methoxy, ethoxy, n- or i-propoxy, represents in each case optionally fluorine- and/or chlorine-substituted methylthio, ethylthio, n- or i-propylthio, methylsulfinyl, ethylsulfinyl, n- or i-propylsulfinyl, methylsulfonyl, ethylsulfonyl, n- or i-propylsulfonyl, or represents methylamino, ethylamino, n- or i-propylamino, dimethyl-

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X*

~~amino, diethylamino, dimethylaminosulfonyl or diethylaminosulfonyl,~~

R⁵ ~~represents hydrogen, hydroxyl, chlorine, bromine, methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, difluoromethyl, dichloromethyl, trifluoromethyl, trichloromethyl, chlorodifluoromethyl, fluorodichloromethyl, fluoroethyl, chloroethyl, difluoroethyl, dichloroethyl, fluoro-n-propyl, fluoro-i-propyl, chloro-n-propyl, chloro-i-propyl, methoxymethyl, ethoxymethyl, methoxyethyl, ethoxyethyl, methoxy, ethoxy, n- or i-propoxy, n-, i-, s- or t-butoxy, fluoroethoxy, chloroethoxy, difluoroethoxy, dichloroethoxy, trifluoroethoxy, trichloroethoxy, chlorofluoroethoxy, chlorodifluoroethoxy, fluorodichloroethoxy, methylthio, ethylthio, n- or i-propylthio, fluoroethylthio, chloroethylthio, difluoroethylthio, dichloroethylthio, chlorofluoroethylthio, chlorodifluoroethylthio, fluorodichloroethylthio, methylsulfinyl, ethylsulfinyl, n- or i-propylsulfinyl, methylsulfonyl, ethylsulfonyl, n- or i-propylsulfonyl, dimethylamino, propenylthio, butenylthio, propinylthio, butinylthio, cyclopropyl, cyclopropylmethyl, cyclopropylmethoxy, phenyl or phenoxy,~~

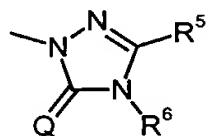
R⁶ ~~represents amino, methyl, ethyl, n- or i-propyl, n-, i-, s- or t-butyl, methoxy, ethoxy, methylamino, dimethylamino, cyclopropyl or cyclopropylmethyl, or together with R⁵ represents propane-1,3-diyl (trimethylene), butane-1,4-diyl (tetramethylene) or pentane-1,5-diyl (pentamethylene), and~~

Y ~~represents hydrogen, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl or ethoxycarbonyl, represents in each case optionally fluorine-, chlorine- and/or bromine-substituted methylsulfonyl-, ethylsulfonyl-, n- or i-propylsulfonyl-, n-, i-, s- or t-butylsulfonyl-, methylaminocarbonyl, ethylaminocarbonyl, n- or i-propylaminocarbonyl, dimethylaminocarbonyl or diethylaminocarbonyl, represents in each case optionally fluorine-,~~

chlorine- or bromine-substituted propenyl, butenyl, propenylcarbonyl, butenylcarbonyl, propenylsulfonyl, butenylsulfonyl, propinyl, butinyl, propinylcarbonyl or butinylcarbonyl, represents in each case optionally cyano-, fluorine-, chlorine-, methyl- or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylcarbonyl, cyclobutylcarbonyl, cyclopentylcarbonyl, cyclohexylcarbonyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, or represents in each case optionally nitro-, cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, n-, i-, s- or t-butyl-, trifluoromethyl-, methoxy-, ethoxy-, n- or i-propoxy-, difluoromethoxy- or trifluoromethoxy-substituted phenylcarbonyl, phenylsulfonyl, benzyl or phenylcarbonylmethyl.

4. (Once Amended) The compound according to any of claims 1 to 3, wherein

Z represents the grouping below



5. (Once Amended) The compound according to any of claims 1 to 4, wherein

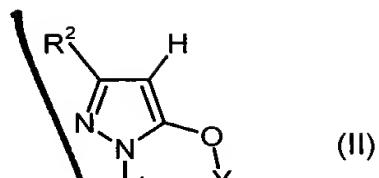
Q represents oxygen.

(Once Amended) The compound according to any of claims 1 to 5, wherein n represents 0.

7. (Once Amended) A process for preparing a compound according to any of claims 1 to 6, comprising the step of :

(a) reacting a pyrazole of the general formula (II)

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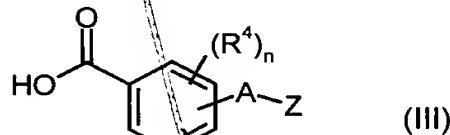


in which

R^1 , R^2 and Y are as defined in any of claims 1 to 3,

with

a substituted benzoic acid of the general formula (III),



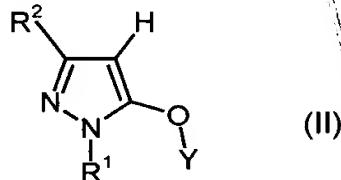
in which

n , A , R^3 , R^4 and Z are as defined in any of claims 1 to 6,

in the presence of a dehydrating agent, optionally in the presence of one or more reaction auxiliaries and optionally in the presence of a diluent,

or

(b) reacting a pyrazole of the general formula (II)

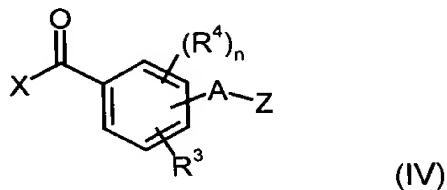


in which

R^1 , R^2 and Y are as defined in any of claims 1 to 3,

with

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a member selected from the group consisting of a substituted benzoic acid derivative of the general formula (IV)



in which

02 Back
 n , A , R^3 , R^4 and Z are as defined in any of claims 1 to 6, and

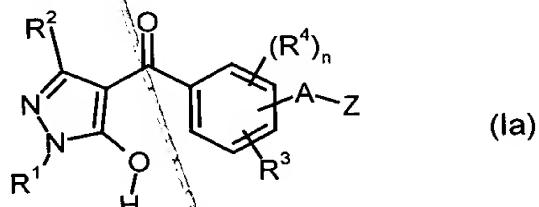
X represents cyano, halogen or alkoxy,

and corresponding carboxylic anhydrides thereof

optionally in the presence of one or more reaction auxiliaries and optionally in the presence of a diluent,

or

(c) reacting a substituted benzoylpyrazole of the general formula (Ia)



in which

n , A , R^1 , R^2 , R^3 , R^4 and Z are as defined in any of claims 1 to 6,

with

a compound of the general formula (V)



in which

Y is as defined in any of claims 1 to 4, except for hydrogen,

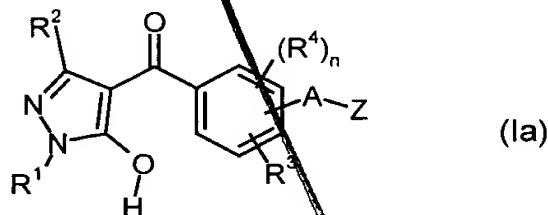
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cont*

- and optionally further comprising the step of including as a reactant corresponding isocyanates or isothiocyanates thereof -

optionally in the presence of one or more reaction auxiliaries and optionally in the presence of a diluent,

and, optionally further comprising the step of subjecting the resulting compound of the formula (I) to one or more reactions selected from the group consisting of an electrophilic reaction, a nucleophilic reaction, an oxidation reaction, a reduction reaction and combinations thereof within the scope of the definition of the substituents, or further comprising the step of converting the compound of the formula (I) into a salt.

8. (Once Amended) A compound of the general formula (Ia)



in which

n, A, R¹, R², R³, R⁴ and Z are as defined in any of claims 1 to 6.

9. (Once Amended) An herbicidal composition, comprising at least one of the compounds according to any of claims 1 to 6 and an extender.

10. (Once Amended) A method for controlling undesirable plants comprising the step of applying an herbicidally effective amount of at least one compound according to any of claims 1 to 6 to a member selected from the group consisting of said plant and a habitat of said plant.